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**CD—28—2016**

**FACULTY OF COMPUTER STUDIES**

**B.Sc. (N.T.) (Fourth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**NETWORK TECHNOLOGY**

**Part I**

**(Windows Server 2008 Network Infrastructure)**

**(Friday, 25-11-2016)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—3 Hours*

*Maximum Marks—80*

*N.B. :—* (i) Assume suitable data if necessary.

(ii) Figures to the right indicate full marks.

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|----|--|----|
| 1. | Attempt the following :                        | 20 |
|    | (a) Discuss applications of server 2008.       |    |
|    | (b) How server 2008 is useful in Network ?     |    |
|    | (c) Explain client server technology.          |    |
|    | (d) Explain IP versions in detail.             |    |
| 2. | (a) Explain the concept of Network connection. | 8  |
|    | (b) Explain IPV6 addressing in detail.         | 7  |
|    | <i>Or</i>                                      |    |
|    | (c) Explain concept of DHCP in detail.         | 8  |
|    | (d) Explain procedure to install DHCP server.  | 7  |
| 3. | (a) Explain the concept of default gateway.    | 8  |
|    | (b) Explain DNS client settings in detail.     | 7  |
|    | <i>Or</i>                                      |    |
|    | (c) Explain the concept of Network traffic.    | 8  |
|    | (d) Explain IPSec in detail.                   | 7  |
| 4. | (a) Explain the use of router in detail.       | 8  |
|    | (b) Explain IP version 4 (IPv4) in detail.     | 7  |

P.T.O.

*Or*

- (c) How Network traffic is protected using IPSec. ? 8
- (d) Explain DHCP infrastructure in detail. 7
- 5. Write short notes on the following (any *three*) : 15
  - (a) DNS zone
  - (b) Name resolution
  - (c) Benefits of Networking
  - (d) DNS zone transfers
  - (e) Advantages using server 2008.